TABLE 5—Continued

COMBUSTION OF BLAST FURNACE GAS—

COMPUTATION SHEET 2

Points for heat capacity curves. Products of combustion, air and gas volumes from Appendix X are multiplied by values in Table 8, Appendix X.

Vol.	200°	400°	600°	800°	1000°	1200°	1400°	1600°	1800°
N_2 111.33	155	314	480	048	827	1008	1195	1386	1582
CO_2 36.91	68	147	238	445	458	574	708	853	1004
H_20 5.57	10	20	33	46	61	77	95	113	133
2 100% air	233	481	751	1139	1346	1659	199S	2352	2719
+20% 13.55	19	38	58	79	101	123	145	169	193
S 120% air	252	519	809	1218	1447	1782	2143	2521	2912
C+40%27.10	38	76	116	158	202	246	290	338	386
S 140% air	271	557	867	1297	1548	1905	2288	2690	3105
H-80% 54.20	76	152	032	316	404	492	580	676	772
2 180% air	300	633	983	1455	1750	2151	2578	3028	3491

Pleat Capacity Air Supply

100% 67.75	94	191	292	394
120%	113	229	350	473
140%	132	267	409	552
180%	170	344	526	710
121.95				

Heat Capacity of the Gas

N_2+	117	238	364	491
CO_2	24	52	83	118
H_20	3	6	9	13
S	144	296	456	622
.....				

N_2 57.13+0_2 0.39+H_2 3.92+CO 23.95 = 85.39